

SECTION 1

INTRODUCTION

A Guide to the SPCC Regulation

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SPILL PREVENTION, CONTROL, AND, COUNTERMEASURE (SPCC) A Guide to the SPCC Regulation

Purpose.

The purpose of this document is to provide regulatory interpretation and recommendations to Navy and Marine Corps installations in order to assist in the preparation of Spill Prevention, Control, and Countermeasure (SPCC) Plans. Attention is focused on ambiguous or potentially confusing requirements where interpretation and recommendations may be most helpful for Navy and Marine Corps installations implementing SPCC Plans, and useful suggestions and/or cost information is provided when available.

An SPCC Plan is a detailed, facility-specific, written description of how a facility's operations comply with the requirements of the Oil Pollution Prevention regulation, 40 CFR Part 112. These requirements include measures such as secondary containment, facility drainage, dikes and barriers, sump and collection systems, retention ponds, curbing, tank corrosion protection systems, and liquid level devices. This guidance document dissects the regulation, and provides insight into plan organization, approach, and methodology that can be leveraged in the creation of SPCC Plans for Navy and Marine Corps installations.

This document is intended to augment, rather than replace or update, existing guidance documents. Although written prior to the current revision of the SPCC rule, these existing documents still contain much valuable and accurate guidance.

Background.

Section 311(j)(1)(C) of the Clean Water Act (CWA) required the President to issue regulations establishing procedures, methods, equipment and other requirements to prevent discharges of oil from vessels and facilities to contain such discharges. The President delegated the authority to regulate non-transportation-related onshore facilities to the U.S. Environmental Protection Agency (EPA). The EPA promulgated regulations to protect the surface waters of the United States on 11 December 1973 by publishing Part 112, Oil Pollution Prevention, in Title 40 of the Code of Federal Regulations (CFR). Over the next three decades, the EPA amended this regulation several times.

The most recent version of 40 CFR 112 was published 17 July 2002. The guidance provided in this document is based on this rule. The 17 July 2002 rule required SPCC Plans be amended or updated, if necessary, to conform to the new requirements by 17 February 2003, and be fully implemented by 18 August 2003. An amendment to Part 112 promulgated on 17 April 2003, however, superceded those deadlines; it requires SPCC Plans be amended or updated, if necessary, to conform to the new requirements by 17 August 2004, and be fully implemented by 18 February 2005.

Organization.

This guidance document consists of four components:

- Section 1 is an introduction that describes the purpose, background, and organization of the guidance document.
- Section 2 lists 40 CFR 112 in its entirety, with supplemental inserts wherever helpful or appropriate, consisting of interpretation, guidance, and recommendations.

- Section 3 provides detailed topic-specific guidance in several separate tabs. Each tab is intended to function independently (i.e., can be removed as a standalone section) in summarizing the essential requirements from Part 112 for the respective topic. The five tabs contain information pertaining to bulk storage containers, loading/unloading racks, valves and piping, electrical and other operating equipment, and security.
- Section 4 includes several appendices that provide supplemental information designed to assist in the preparation of the SPCC Plan document, as well as in meeting the intent of SPCC requirements. Appendices include:
 - ⇒ SPCC Cost Information: assists in providing a 'starting point' from which installations may identify and begin to understand the relative costs, developed from numerous sources, of various options to improve their compliance stature.
 - ⇒ Spill Prevention Resource Guide: summarizes pertinent information on oil spill prevention in one succinct resource guide to assist owners and operators of petroleum sites in finding information quickly.
 - ⇒ Cathodic Protection Survey Cost Information: provides rough estimations of costs and survey times required to survey cathodic protection systems.
 - ⇒ SPCC Requirements Overview: lists SPCC related tasks, procedures, and other requirements that are specifically identified in Part 112.
 - ⇒ Substantial Harm Criteria Guidance: identifies and provides guidance on the criteria used to determine whether an installation poses a risk of substantial harm to the environment, and what type of Facility Response Plan (FRP) is required.
 - ⇒ EPA Guidance Memos and Letters: provides guidance and information in the form of EPA memos and letters interpreting various SPCC requirements.
 - ⇒ Discharge Reporting Reference Form: provides a sample reference sheet for capturing the information required by § 112.7(a)(4) for reporting a discovered discharge.
 - ⇒ Site Survey Considerations: lists items, locations, operations, etc. that should be considered when preparing to conduct a site survey of an installation for the purposes of preparing an SPCC Plan to meet the requirements of the new rule.

Acronyms.

The following acronyms are used in this document:

API	-	American Petroleum Institute
ASME	-	American Society of Mechanical Engineers
AST	-	Aboveground Storage Tank
ASTM	-	American Society for Testing and Materials
ATG	-	Automatic Tank Gauge
BOP	-	Blowout Prevention
BOWTS	-	Bilge and Oily Wastewater Treatment System
CECOS	-	Civil Engineer Corps Officer School (US Navy)
CFR	-	Code of Federal Regulations
CP	-	Cathodic Protection
CWA	-	Clean Water Act
CWASSC	-	Clean Water Act Services Steering Committee
DESC	-	Defense Energy Support Center
DoD	-	Department of Defense
EFA	-	Engineering Field Activity
EFD	-	Engineering Field Division
EO	-	Executive Order
EPA	-	Environmental Protection Agency

FAS	-	Fuels Automated System
FRP	-	Facility Response Plan
GSA	-	General Services Administration (US Government)
IDQ	-	Indefinite Quantity
IWTP	-	Industrial Wastewater Treatment Plant
JP-5	-	Jet Propellant 5
MILCON	-	Military Construction
NACE	-	National Association of Corrosion Engineers
NADEP	-	Naval Aviation Depot
NAS	-	Naval Air Station
NAVFAC	-	Naval Facilities Engineering Command
NAVSUP	-	Naval Supply Systems Command
NFESC	-	Naval Facilities Engineering Service Center
NFPA	-	National Fire Protection Association
NMCI	-	Navy / Marine Corps Intranet
NOAA	-	National Oceanic Atmospheric Association
OHS	-	Oil and Hazardous Substance
O&M,N	-	Operations and Maintenance, Navy
OPA 90	-	Oil Pollution Act of 1990
OPNAVINST	-	Office of the Chief of Naval Operations Instruction
OSWER	-	Office of Solid Waste and Emergency Response (US EPA)
PE	-	Professional Engineer
POC	-	Point of Contact
POL	-	Petroleum Oil Lubricant
PVC	-	Polyvinyl Chloride
PWD	-	Public Works Department
RA	-	Regional Administrator (US EPA)
SOP	-	Standard Operating Procedure
SOUTHDIV	-	Southern Division (NAVFAC)
SPCC	-	Spill Prevention, Control, and Countermeasure
STI	-	Steel Tank Institute
UL	-	Underwriters Laboratories
USC	-	United States Code
USCG	-	United States Coast Guard
UST	-	Underground Storage Tank

